

PUBLIC NOTICE

PERMIT APPLICATION: NRS # 04.265

APPLICANT: Neal Black
P.O. Box 928
Soddy Daisy, TN 37384
(423) 842-3885

LOCATION: Between Dayton Pike and Highway 27, 35.2380 N, -85.1951 W
Hamilton County

WATERSHED DESCRIPTION: The wetlands are part of the Tennessee River watershed (HUC 0602000101) and are located adjacent to Poe Branch. The area of impact is 0.23 acres in a 3.5-acre jurisdictional wetland dominated by herbs (rice cutgrass, white grass and broadleaf cattail), shrubs and saplings (black willow). No surface water was observed in August during the 2003 delineation.

PROJECT DESCRIPTION: An 8" gravity sewer line will be installed to connect a proposed apartment complex to an existing gravity sanitary sewer. The ductile iron pipe will extend approximately 400 feet across the wetland, temporarily impacting .23 acres. Around 105 cubic yards of excavation will be required and 65 cubic yards will be separated and saved to refill the trenches to grade. A concrete collar will be installed around the pipe at the down gradient boundary of the wetland. After construction, the native plants will be allowed to recolonize.

PERMIT COORDINATOR: Juliana W. Kyzar

UGGS TOPOGRAPHIC QUADRANGLE: Daisy 112 NW

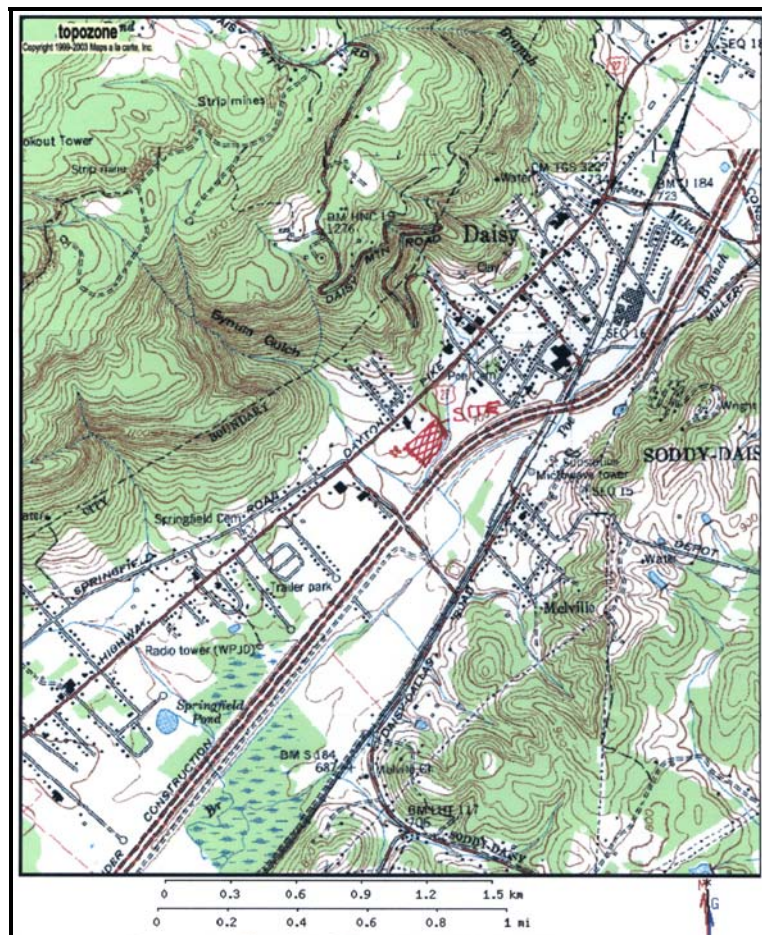


Figure 1: Topographic map of area, Soddy Daisy Quadrant

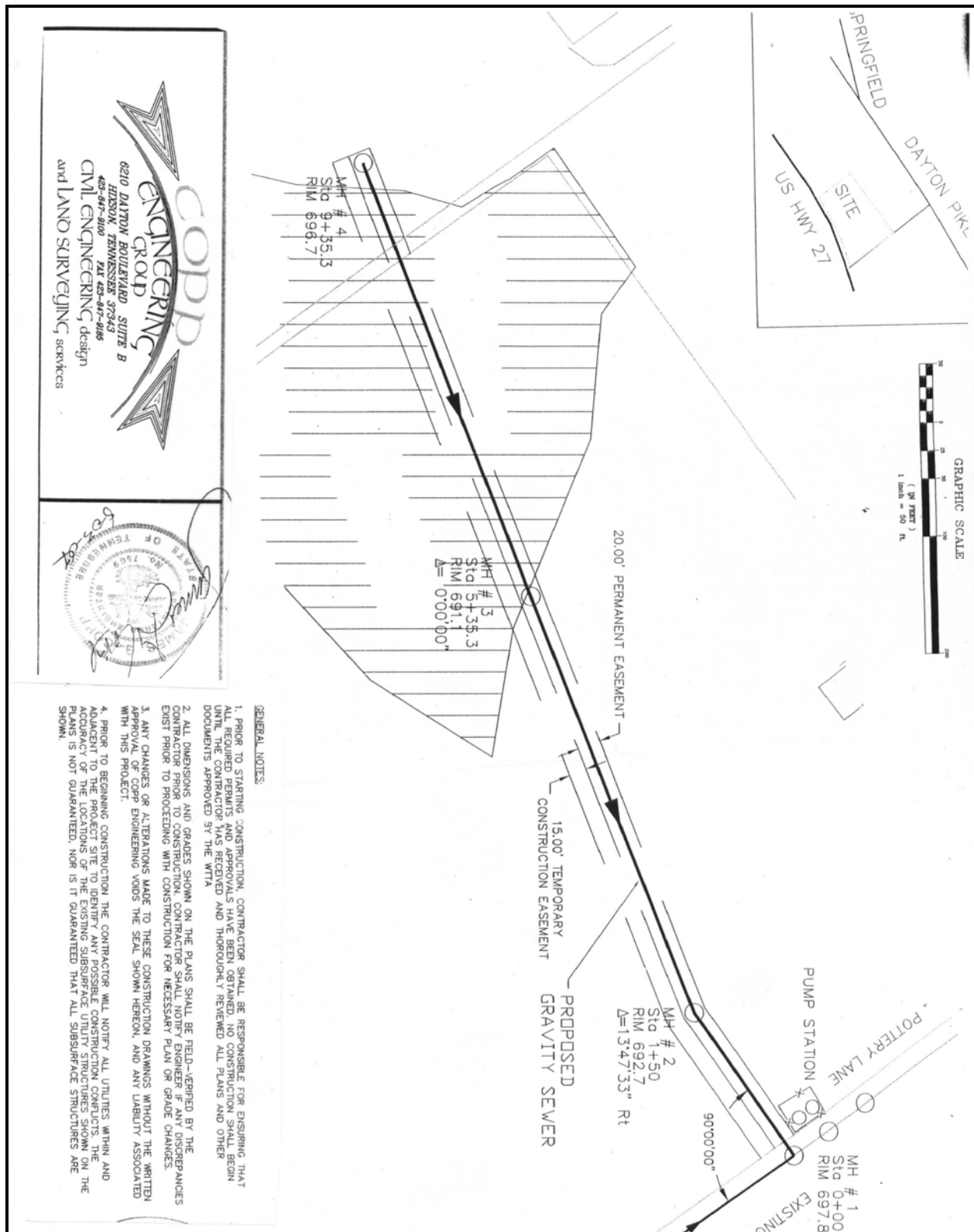


Figure 2: Site plan

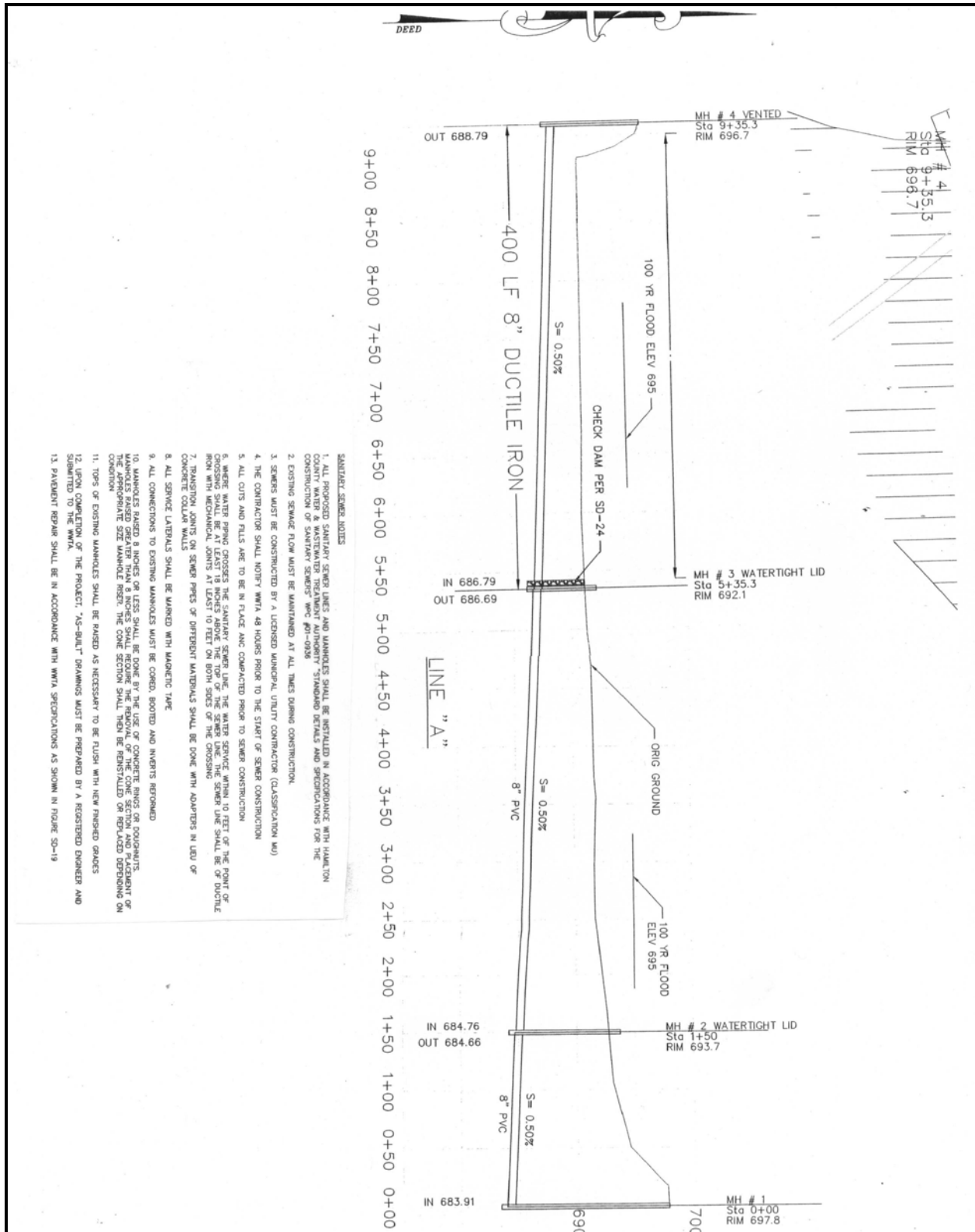


Figure 3: Cross section view of entire gravity sewer line extension

WETLAND NOTES:		SODDY DAISY EXTENSION CROSSING LOWE HAMILTON COUNTY																											
<p>1. SEE REPORT PREPARED BY REMEDIAL SOLUTIONS WITH THE DESCRIPTION OF THE EXISTING CHARACTERISTICS AND DIMENSIONS OF THE WETLAND AREA. THE REPORT IS TITLED "WETLAND DELINEATION, SODDY DAISY, TN; HAMILTON COUNTY"</p> <p>2. THE TYPICAL TRENCH AND BEDDING FOR THIS PROJECT WILL BE USED. THIS TYPICAL IS ILLUSTRATED AS SD-13 IN HAMILTON COUNTY WATER AND WASTEWATER TREATMENT AUTHORITY "STANDARD DETAILS AND SPECIFICATIONS FOR CONSTRUCTION OF SANITARY SEWERS". THE AVERAGE WIDTH OF THE TRENCH WILL BE 24" AND THE DEPTH OF EXCAVATION WILL VARY FROM 3 FEET TO 4.2 FEET FOR A LENGTH OF 400 FEET. THE TOTAL AREA OF SOIL EXCAVATION THROUGH THE WETLAND WILL BE LESS THAN 1000 SQ FEET.</p> <p>3. THERE WILL BE APPROXIMATELY 105 CY OF EXCAVATION REQUIRED FOR THE SECTION THROUGH THE WETLAND. APPROXIMATELY 65 CY OF THIS MATERIAL WILL BE SAVED AND PROTECTED DURING CONSTRUCTION AND REUSED TO REFILL THE TRENCHES. A CHECK DAM WILL BE INSTALLED PER SD-24 AT THE FIRST MANHOLE INSIDE THE WETLAND.</p> <p>4. <u>ALL THE WORK</u> FOR THIS PROJECT WILL BE WITHIN A 25 FOOT STRIP APPROXIMATELY 400 FEET LONG. THIS AREA REPRESENTS 0.23 ACRE</p> <p>5. STANDARD TRENCHING EQUIPMENT WILL BE USED FOR THIS PROJECT.</p> <p>6. EROSION AND SEDIMENTATION CONTROL STRUCTURES WILL BE SILT FENCING ALONG THE LENGTH OF THE SANITARY SEWER ON THE DOWN SLOPE SIDE.</p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center; padding: 2px;">REVISIONS</th> </tr> </thead> <tbody> <tr><td style="width: 5%; text-align: center;">Δ</td><td style="width: 95%;"></td></tr> <tr><td style="text-align: center;">Δ</td><td></td></tr> <tr><td style="text-align: center;">Δ</td><td></td></tr> <tr><td style="text-align: center;">Δ</td><td></td></tr> <tr><td style="text-align: center;">Δ</td><td></td></tr> <tr><td style="text-align: center;">Δ</td><td></td></tr> <tr><td style="text-align: center;">Δ</td><td></td></tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 2px;">DATE:</td> <td style="padding: 2px;">10/07/03</td> </tr> <tr> <td style="padding: 2px;">DRAWN BY:</td> <td style="padding: 2px;">JGC</td> </tr> <tr> <td style="padding: 2px;">SCALE:</td> <td style="padding: 2px;">1"=50'</td> </tr> <tr> <td style="padding: 2px;">PROJECT NUMBER:</td> <td></td> </tr> <tr> <td style="padding: 2px;">SHEET NUMBER:</td> <td style="text-align: center; font-size: 1.5em; font-weight: bold;">SS-1</td> </tr> </table>		REVISIONS		Δ		Δ		Δ		Δ		Δ		Δ		Δ		DATE:	10/07/03	DRAWN BY:	JGC	SCALE:	1"=50'	PROJECT NUMBER:		SHEET NUMBER:	SS-1
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Figure 4: Plan notes on wetland construction

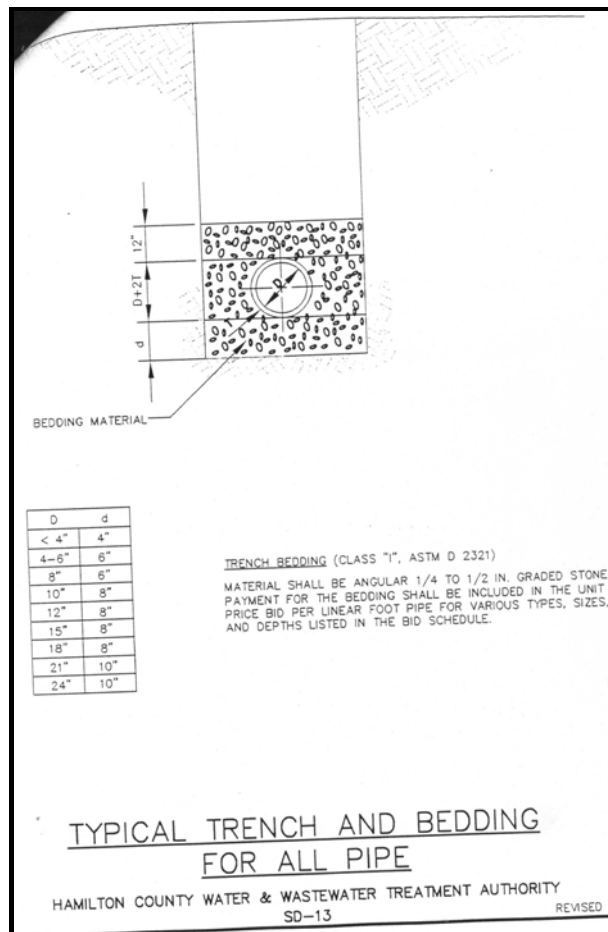


Figure 5: Typical trench and bedding for pipe

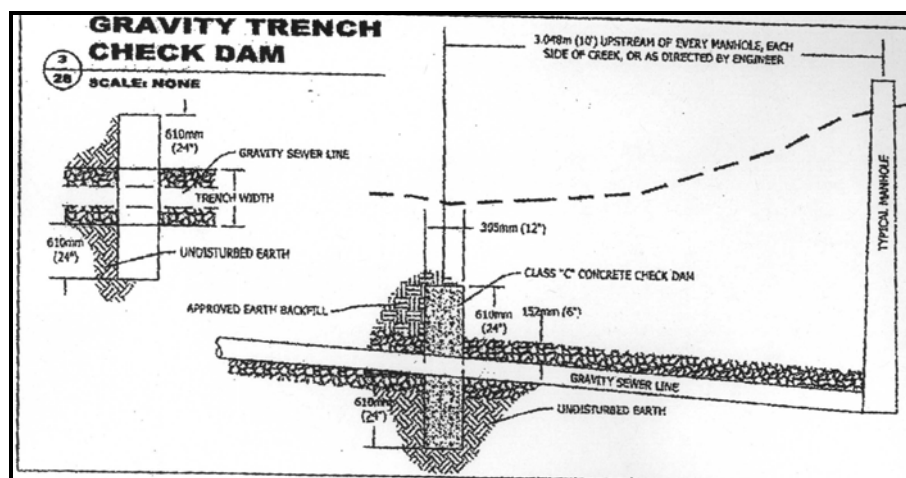
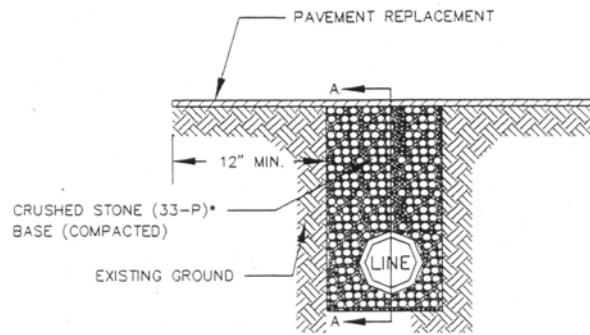
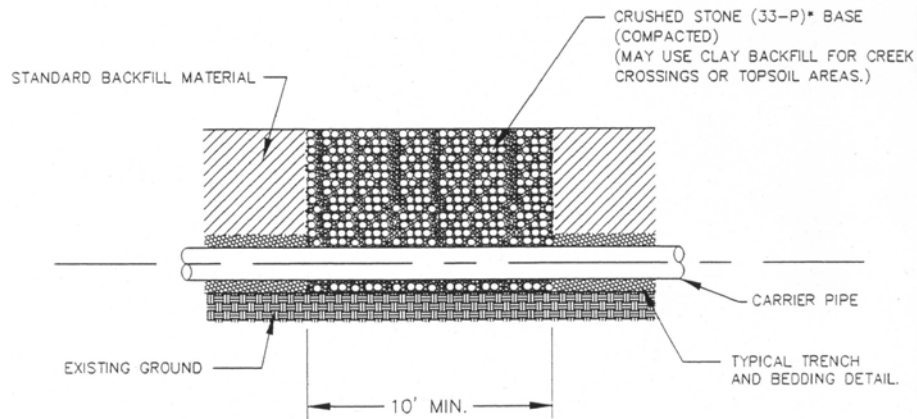


Figure 6: Standard design for concrete pipe collar



TYPICAL SECTION IN TRENCH CHECK DAM



SECTION A - A

* "33-P (PUG)" - 303.01. TYPE A, GRADING D
(33-P), TENNESSEE DOT SPECIFICATIONS.

NOTE

A CHECK DAM SHALL BE LOCATED EVERY 500'
ALONG THE TRENCH UNLESS SHOWN OTHERWISE
ON THE PLANS.

TRENCH CHECK DAM

HAMILTON COUNTY WATER & WASTEWATER TREATMENT AUTHORITY
SD-24

REVISED 06/08/01

Figure 7: Standard trench check dam